

AMENDED

Nº 43213

APPLICATION FOR PERMIT  
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

FEB 17 1981

Date of filing in State Engineer's Office.....

Returned to applicant for correction..... APR 1 1981

Corrected application filed..... MAY 27 1981

Map filed..... MAY 29 1981 under 43211

The applicant..... Hydrothermal Energy Corporation

2519 Horseshoe Canyon Road, of Los Angeles  
Street and No. or P.O. Box No. City or Town

Calif. 90046, hereby make<sup>s</sup> application for permission to appropriate the public  
State and Zip Code No.

waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorpora-  
tion; if a copartnership or association, give names of members.) May, 1973 - Delaware

1. The source of the proposed appropriation is..... Underground  
Name of stream, lake or other source.

2. The amount of water applied for is..... 5.0 cfs ..... second-feet  
One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet..... acre-feet

3. The water to be used for..... Geothermal  
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation (state number of acres to be irrigated).....

(b) Stockwater (state number and kinds of animals to be watered).....

(c) Other use (describe fully under "No. 12. Remarks").....

(d) Power:

(1) Horsepower developed.....

(2) Point of return of water to stream.....

5. The water is to be diverted from its source at the following point: Lot 8 (SW $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section  
7, T19N, R20E, MDM, at a point from which the center  $\frac{1}{4}$  corner of  
Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land,  
said Section 7 bears N 26° 03' W 2648 feet  
it should be stated.

6. Place of use..... A portion of Lot 8 (SW $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section 7, T19N, R20E,  
Describe by legal subdivision, if on unsurveyed land it should be so stated.  
MDM

7. Use will begin about January 1 and end about December 31, of each year.  
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and  
specifications of your diversion or storage works.) water to be diverted from well  
equipped with pump and transported to heat exchanger and returned  
State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with pump and motor, etc.  
to the ground via pipes

9. Estimated cost of works.....\$500,000.00
10. Estimated time required to construct works.....2 years  
If well completed, describe works.
11. Estimated time required to complete the application to beneficial use.....5 years
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

Annual consumptive use will be 0 acre feet.

Water is to be returned to the same zone from which it is extracted.

Please send copies of all correspondence to undersigned agent.

By.....s/William A. Nisbet

Signature, applicant or agent

Compared.....ha/bl.....ja/bt

Agent

421 Court

Elko, Nevada 89801

APPROVAL.....OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. If the well is flowing, a valve must be installed and maintained to prevent waste. Accurate measurements must be kept of water placed to beneficial use. This source is located within an area designated by the State Engineer, pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times.

This permit is to appropriate geothermal fluids only and all cold, fresh water aquifers are to be sealed off to prevent waste and contamination.

The used geothermal fluids are to be returned to the source.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from the State, Federal, and local agencies.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed.....5.0.....cubic feet per second...but not to exceed 75.0 million gallons annually.

Actual construction work shall begin on or before.....N/A

Proof of commencement of work shall be filed before.....N/A

Work must be prosecuted with reasonable diligence and be completed on or before.....September 16, 1983

Proof of completion of work shall be filed before.....October 16, 1983

Application of water to beneficial use shall be made on or before.....September 16, 1988

Proof of the application of water to beneficial use shall be filed on or before.....October 16, 1988

Map in support of proof of beneficial use shall be filed on or before.....

Commencement of work filed.....  
Completion of work filed.....  
Proof of beneficial use filed.....  
Cultural map filed.....  
Certificate No.....Issued.....

IN TESTIMONY WHEREOF, I, PETER G. MORROS  
State Engineer of Nevada, have hereunto set my hand and the seal of  
my office, this 16th day of SEPTEMBER

A.D. 1982

State Engineer